RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/578,400
Source: IFW0
Date Processed by STIC: 05/17/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/578,400 **CRF Edit Date:** DA
Edited by: 05/17/2006

____ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

____ **Corrected the SEQ ID NO. Sequence numbers edited were:**

_____

____ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

_____

__/__ **Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers**

____ **Inserted mandatory headings/numeric identifiers, specifically:**

_____

____ **Moved responses to same line as heading/numeric identifier, specifically:**

_____

____ **Other:**

_____
_____
_____

Revised 09/09/2003

IFWO

RAW SEQUENCE LISTING DATE: 05/17/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:52:40

Input Set : A:**pto.da.txt**
Output Set: N:**CRF4\05162006\J578400.raw**

```
      <110> APPLICANT: Long, Li
            Luqman, Mohammad
            Yabannavar, Asha
            Zaror, Isabel
      <120> TITLE OF INVENTION: Methods of Therapy for Solid Tumors
            Expressing the CD40 Cell-Surface Antigen
      <130> FILE REFERENCE: PP21566.002 (282914)
C--> <140> CURRENT APPLICATION NUMBER: US/10/578,400
C--> <141> CURRENT FILING DATE: 2006-05-03
      <150> PRIOR APPLICATION NUMBER: 60/565,634
      <151> PRIOR FILING DATE: 2004-04-27
      <150> PRIOR APPLICATION NUMBER: 60/565,710
      <151> PRIOR FILING DATE: 2004-04-27
      <150> PRIOR APPLICATION NUMBER: 60/525,579
      <151> PRIOR FILING DATE: 2003-11-26
      <150> PRIOR APPLICATION NUMBER: 60/517,337
      <151> PRIOR FILING DATE: 2003-11-04
      <160> NUMBER OF SEQ ID NOS: 12
      <170> SOFTWARE: FastSEQ for Windows Version 4.0
      <210> SEQ ID NO: 1
      <211> LENGTH: 720
      <212> TYPE: DNA
      <213> ORGANISM: Artificial Sequence
      <220> FEATURE:
      <223> OTHER INFORMATION: Coding sequence for light chain of 12.12 human
            anti-CD40 antibody
W--> <221> NAME/KEY: CDS
      <222> LOCATION: (1)...(720)
W--> <400> 1
atg gcg ctc cct gct cag ctc ctg ggg ctg cta atg ctc tgg gtc tct   48
Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
 1               5                  10                  15

gga tcc agt ggg gat att gtg atg act cag tct cca ctc tcc ctg acc   96
Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
            20                  25                  30

gtc acc cct gga gag ccg gcc tcc atc tcc tgc agg tcc agt cag agc   144
Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
        35                  40                  45

ctc ctg tat agt aat gga tac aac tat ttg gat tgg tac ctg cag aag   192
Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
    50                  55                  60

cca ggg cag tct cca cag gtc ctg atc tct ttg ggt tct aat cgg gcc   240
Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala
```

RAW SEQUENCE LISTING DATE: 05/17/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:52:40

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\05162006\J578400.raw**

```
63  65                  70                  75                  80
65 tcc ggg gtc cct gac agg ttc agt ggc agt gga tca ggc aca gat ttt   288
66 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
67                  85                  90                  95
69 aca ctg aaa atc agc aga gtg gag gct gag gat gtt ggg gtt tat tac   336
70 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
71             100                 105                 110
73 tgc atg caa gct cga caa act cca ttc act ttc ggc cct ggg acc aaa   384
74 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
75         115                 120                 125
77 gtg gat atc aga cga act gtg gct gca cca tct gtc ttc atc ttc ccg   432
78 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
79     130                 135                 140
81 cca tct gat gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg   480
82 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
83 145                 150                 155                 160
85 ctg aat aac ttc tat ccc aga gag gcc aaa gta cag tgg aag gtg gat   528
86 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
87                  165                 170                 175
89 aac gcc ctc caa tcg ggt aac tcc cag gag agt gtc aca gag cag gac   576
90 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
91             180                 185                 190
93 agc aag gac agc acc tac agc ctc agc agc acc ctg acg ctg agc aaa   624
94 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
95         195                 200                 205
97 gca gac tac gag aaa cac aaa gtc tac gcc tgc gaa gtc acc cat cag   672
98 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
99     210                 215                 220
101 ggc ctg agc tcg ccc gtc aca aag agc ttc aac agg gga gag tgt tag   720
102 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  *
103 225                 230                 235
107 <210> SEQ ID NO: 2
108 <211> LENGTH: 239
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Light chain of 12.12 human anti-CD40 antibody
115 <400> SEQUENCE: 2
116 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
117  1               5                  10                  15
118 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
119             20                  25                  30
120 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
121         35                  40                  45
122 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
123     50                  55                  60
124 Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala
125 65                  70                  75                  80
126 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
```

RAW SEQUENCE LISTING DATE: 05/17/2006
PATENT APPLICATION: US/10/578,400 TIME: 09:52:40

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\05162006\J578400.raw

```
127                 85                  90                  95
128 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
129             100                 105                 110
130 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
131         115                 120                 125
132 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
133     130                 135                 140
134 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
135 145                 150                 155                 160
136 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
137                 165                 170                 175
138 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
139             180                 185                 190
140 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
141         195                 200                 205
142 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
143     210                 215                 220
144 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
145 225                 230                 235
148 <210> SEQ ID NO: 3
149 <211> LENGTH: 2016
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Coding sequence for heavy chain of 12.12 human
155       anti-CD40 antibody (with introns)
158 <400> SEQUENCE: 3
159 atggagtttg ggctgagctg ggttttcctt gttgctattt taagaggtgt ccagtgtcag 60
160 gtgcagttgg tggagtctgg gggaggcgtg gtccagcctg ggaggtccct gagactctcc 120
161 tgtgcagcct ctggattcac cttcagtagc tatggcatgc actgggtccg ccaggctcca 180
162 ggcaaggggc tggagtgggt ggcagttata tcatatgagg aaagtaatag ataccatgca 240
163 gactccgtga agggccgatt caccatctcc agagacaatt ccaagatcac gctgtatctg 300
164 caaatgaaca gcctcagaac tgaggacacg gctgtgtatt actgtgcgag agatgggggt 360
165 atagcagcac ctgggcctga ctactggggc cagggaaccc tggtcaccgt ctcctcagca 420
166 agtaccaagg gcccatccgt cttccccctg gcgcccgcta gcaagagcac ctctgggggc 480
167 acagcggccc tgggctgcct ggtcaaggac tacttccccg aaccggtgac ggtgtcgtgg 540
168 aactcaggcg ccctgaccag cggcgtgcac accttcccgg ctgtcctaca gtcctcagga 600
169 ctctactccc tcagcagcgt ggtgaccgtg ccctccagca gcttgggcac ccagacctac 660
170 atctgcaacg tgaatcacaa gcccagcaac accaaggtgg acaagagagt tggtgagagg 720
171 ccagcacagg gagggagggt gtctgctgga agccaggctc agcgctcctg cctggacgca 780
172 tcccggctat gcagtcccag tccagggcag caaggcaggc cccgtctgcc tcttcacccg 840
173 gaggcctctg cccgccccac tcatgctcag ggagagggtc ttctggcttt ttccccaggc 900
174 tctgggcagg cacaggctag gtgcccctaa cccaggccct gcacacaaag gggcaggtgc 960
175 tgggctcaga cctgccaaga gccatatccg ggaggaccct gcccctgacc taagcccacc 1020
176 ccaaaggcca aactctccac tccctcagct cggacacctt ctctcctccc agattccagt 1080
177 aactcccaat cttctctctg cagagcccaa atcttgtgac aaaactcaca catgcccacc 1140
178 gtgcccaggt aagccagccc aggcctcgcc ctccagctca aggcgggaca ggtgccctag 1200
179 agtagcctgc atccagggac aggccccagc cgggtgctga cacgtccacc tccatctctt 1260
180 cctcagcacc tgaactcctg gggggaccgt cagtcttcct cttccccccа aaacccaagg 1320
```

RAW SEQUENCE LISTING DATE: 05/17/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:52:40

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\05162006\J578400.raw**

181 acaccctcat gatctcccgg acccctgagg tcacatgcgt ggtggtggac gtgagccacg 1380
182 aagaccctga ggtcaagttc aactggtacg tggacggcgt ggaggtgcat aatgccaaga 1440
183 caaagccgcg ggaggagcag tacaacagca cgtaccgtgt ggtcagcgtc ctcaccgtcc 1500
184 tgcaccagga ctggctgaat ggcaaggagt acaagtgcaa ggtctccaac aaagccctcc 1560
185 cagccccat cgagaaaacc atctccaaag ccaaaggtgg gacccgtggg gtgcgagggc 1620
186 cacatggaca gaggccggct cggcccaccc tctgccctga gagtgaccgc tgtaccaacc 1680
187 tctgtcccta cagggcagcc ccgagaacca caggtgtaca ccctgccccc atcccgggag 1740
188 gagatgacca agaaccaggt cagcctgacc tgcctggtca aaggcttcta tcccagcgac 1800
189 atcgccgtgg agtgggagag caatgggcag ccggagaaca actacaagac cacgcctccc 1860
190 gtgctggact ccgacggctc cttcttcctc tatagcaagc tcaccgtgga caagagcagg 1920
191 tggcagcagg ggaacgtctt ctcatgctcc gtgatgcatg aggctctgca caaccactac 1980
192 acgcagaaga gcctctccct gtctccgggt aaatga 2016
194 <210> SEQ ID NO: 4
195 <211> LENGTH: 469
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Heavy chain of 12.12 human anti-CD40 antibody
202 <400> SEQUENCE: 4
203 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly
204 1 5 10 15
205 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
206 20 25 30
207 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
208 35 40 45
209 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
210 50 55 60
211 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala
212 65 70 75 80
213 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile
214 85 90 95
215 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val
216 100 105 110
217 Tyr Tyr Cys Ala Arg Asp Gly Gly Ile Ala Ala Pro Gly Pro Asp Tyr
218 115 120 125
219 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
220 130 135 140
221 Pro Ser Val Phe Pro Leu Ala Pro Ala Ser Lys Ser Thr Ser Gly Gly
222 145 150 155 160
223 Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
224 165 170 175
225 Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
226 180 185 190
227 Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
228 195 200 205
229 Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val
230 210 215 220
231 Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys
232 225 230 235 240

RAW SEQUENCE LISTING DATE: 05/17/2006
PATENT APPLICATION: US/10/578,400 TIME: 09:52:40

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\05162006\J578400.raw

```
233 Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
234                 245                 250                 255
235 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
236             260                 265                 270
237 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
238         275                 280                 285
239 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
240     290                 295                 300
241 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
242 305                 310                 315                 320
243 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
244                 325                 330                 335
245 Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
246             340                 345                 350
247 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
248         355                 360                 365
249 Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln
250     370                 375                 380
251 Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
252 385                 390                 395                 400
253 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
254                 405                 410                 415
255 Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
256             420                 425                 430
257 Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
258         435                 440                 445
259 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
260     450                 455                 460
261 Leu Ser Pro Gly Lys
262 465
265 <210> SEQ ID NO: 5
266 <211> LENGTH: 469
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Heavy chain of variant of 12.12 human anti-CD40
272       antibody
274 <400> SEQUENCE: 5
275 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly
276  1               5                  10                  15
277 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
278             20                  25                  30
279 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
280         35                  40                  45
281 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
282     50                  55                  60
283 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala
284 65                  70                  75                  80
285 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile
```

VERIFICATION SUMMARY DATE: 05/17/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:52:41

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\05162006\J578400.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:537 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11

STATISTICS SUMMARY DATE: 05/17/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:52:41

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\05162006\J578400.raw**

Application Serial Number: US/10/578,400
Alpha or Numeric or Xml: Numeric
Application Class:
Application File Date: 05-03-2006
Art Unit: IFWO
Software Application: FastSEQ
Total Number of Sequences: 12
Total Nucleotides: 4132
Total Amino Acids: 2844
Number of Errors: 0
Number of Warnings: 4
Number of Corrections: 2

MESSAGE SUMMARY

258 W: 3 (Mandatory Feature missing)
270 C: 1 (Current Application Number differs)
271 C: 1 (Current Filing Date differs)
281 W: 1 (Numeric Fields not Ordered)

Raw Sequence Listing before editing,
for reference only

IFWP

RAW SEQUENCE LISTING DATE: 05/15/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:47:23

Input Set : **A:\sequence lstg.txt**
Output Set: **N:\CRF4\05152006\J578400.raw**

```
      4 <110> APPLICANT: Long, Li
      5       Luqman, Mohammad
      6       Yabannavar, Asha
      7       Zaror, Isabel
      9 <120> TITLE OF INVENTION: Methods of Therapy for Solid Tumors
     10       Expressing the CD40 Cell-Surface Antigen
     13 <130> FILE REFERENCE: PP21566.002 (282914)
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/578,400
C--> 15 <141> CURRENT FILING DATE: 2006-05-03
     15 <150> PRIOR APPLICATION NUMBER: 60/565,634
     16 <151> PRIOR FILING DATE: 2004-04-27
     18 <150> PRIOR APPLICATION NUMBER: 60/565,710
     19 <151> PRIOR FILING DATE: 2004-04-27
     21 <150> PRIOR APPLICATION NUMBER: 60/525,579
     22 <151> PRIOR FILING DATE: 2003-11-26
     24 <150> PRIOR APPLICATION NUMBER: 60/517,337
     25 <151> PRIOR FILING DATE: 2003-11-04
     27 <160> NUMBER OF SEQ ID NOS: 12
     29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Corrected Diskette Needed
(CRF-2)

ERRORED SEQUENCES

```
    712 <210> SEQ ID NO: 12
    713 <211> LENGTH: 277
    714 <212> TYPE: PRT
    715 <213> ORGANISM: Homo sapiens
    717 <400> SEQUENCE: 12
    718 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu Thr
    719  1               5                  10                  15
    720 Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln Tyr Leu
    721             20                  25                  30
    722 Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln Lys Leu Val
    723         35                  40                  45
    724 Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu Pro Cys Gly Glu
    725     50                  55                  60
    726 Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr His Cys His Gln His
    727 65                  70                  75                  80
    728 Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg Val Gln Gln Lys Gly Thr
    729                 85                  90                  95
    730 Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu Glu Gly Trp His Cys Thr
    731             100                 105                 110
    732 Ser Glu Ala Cys Glu Ser Cys Val Leu His Arg Ser Cys Ser Pro Gly
```

RAW SEQUENCE LISTING DATE: 05/15/2006
PATENT APPLICATION: US/10/578,400 TIME: 09:47:23

Input Set : A:\sequence lstg.txt
Output Set: N:\CRF4\05152006\J578400.raw

```
733          115                 120                 125
734 Phe Gly Val Lys Gln Ile Ala Thr Gly Val Ser Asp Thr Ile Cys Glu
735      130                 135                 140
736 Pro Cys Pro Val Gly Phe Phe Ser Asn Val Ser Ser Ala Phe Glu Lys
737 145                 150                 155                 160
738 Cys His Pro Trp Thr Ser Cys Glu Thr Lys Asp Leu Val Val Gln Gln
739                 165                 170                 175
740 Ala Gly Thr Asn Lys Thr Asp Val Val Cys Gly Pro Gln Asp Arg Leu
741             180                 185                 190
742 Arg Ala Leu Val Val Ile Pro Ile Ile Phe Gly Ile Leu Phe Ala Ile
743          195                 200                 205
744 Leu Leu Val Leu Val Phe Ile Lys Lys Val Ala Lys Lys Pro Thr Asn
745      210                 215                 220
746 Lys Ala Pro His Pro Lys Gln Glu Pro Gln Glu Ile Asn Phe Pro Asp
747 225                 230                 235                 240
748 Asp Leu Pro Gly Ser Asn Thr Ala Ala Pro Val Gln Glu Thr Leu His
749                 245                 250                 255
750 Gly Cys Gln Pro Val Thr Gln Glu Asp Gly Lys Glu Ser Arg Ile Ser
751             260                 265                 270
752 Val Gln Glu Arg Gln
753          275
E--> 755 12
761 RTA01/2168201v1
```

deleted

VERIFICATION SUMMARY DATE: 05/15/2006
PATENT APPLICATION: **US/10/578,400** TIME: 09:47:24

Input Set : **A:\sequence lstg.txt**
Output Set: **N:\CRF4\05152006\J578400.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:537 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:755 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12